



Commander, Naval Surface Force, Atlantic

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U.S. NAVY



USS MAHAN (DDG 72)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.mahan.navy.mil



USS Mahan (DDG 72) was constructed by Bath Iron Works and was commissioned in the United States Navy in Tampa, Florida on 14 February 1998. USS Mahan is the twenty-second ARLEIGH BURKE Class Destroyer, and the first Flight II variant. As such, it carries weapons, sensors and engineering equipment unparalleled in any navy.

USS Mahan's primary mission is to operate offensively, independently or integral to a Carrier Battle Group. Mahan's physical construction employs elements of stealth technology that enable operation in environments that may include air, surface, and subsurface threats. Mahan's weaponry includes air, surface, and subsurface sensors, designed to combat each threat. Additionally, she carries a communications suite that allows near instantaneous voice and data transfer across the globe. Over 225 miles of electrical cable were installed during construction, many in support of these systems. These systems are maintained and operated by Mahan's crewmembers.

To provide propulsion for the ship and electrical power for its equipment, Engineering Department maintains and operates four 25,000 horsepower Gas Turbine Modules (GTMs). The GTMs are similar to jet engines utilized on commercial airliners with modifications for use at sea. They provide power to two shafts whose propellers drive the ship through the water at speeds in excess of 30 knots. Electrical power is provided by three Gas Turbine Generators, each of which produces 4000 amps when fully loaded. Over half a million gallons of fuel are carried by USS Mahan. Twenty-four thousand gallons of potable water are produced at sea each day by two Reverse Osmosis desalinization units.

USS Mahan's 320 officers, chief petty officers and enlisted crewmembers rely on the Medical, Administrative and Supply Departments to meet their requirements for health care, pay, laundry, postal services and meals. Mahan's galley is in operation 365 days a year, providing three meals daily to every crewmember. During the preparation of these meals, 1,500 loaves of bread, 2,000 pounds of potatoes, 7,200 eggs and 2,300 gallons of milk are consumed each month.

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505.6 feet
Beam (Maximum)- 66.6 feet
Speed: 30+ knots
Draft (Navigational)- 20.10 feet
Displacement- 8,580 tons full load
Complement- 23 Officers/315 Enlisted

ENGINEERING

Propulsion: Allison 2500 kW Gas Turbine
Generators, 2 Shafts with Controllable
Reversible Pitch Screws, 2 Rudders
Electrical:
Services:

SENSORS

AN/SPY-1D 3-D Search/Track Radar
AN/SPS-67(V) Surface Search Radar
AN/SPS-64(V) Surface Search Radar
AN/SQS-53C(V) Hull Mounted Radar
AN/SQS-19(V) Tactical Towed Array Sonar
AN/SQQ-28(V) LAMPS III Shipboard
Electronics ESM/ECM
AN/SLQ-32(V)3
AN/SLQ-25A NIXIE Torpedo
Countermeasures
MK36 MOD 6 Decoy Launching System

WEAPONS

MK45 MOD 2 5"/54 Caliber Gun Mount
2 MK41 Vertical Launching Systems
2 Harpoon Anti-ship Missile Quad Canisters
2 MK15 MOD 12 Close-In-Weapons Systems
2 MK32 MOD 14 Triple Torpedo Tubes

AIRCRAFT

Keel Laid: August 17, 1995

Christened: February 14, 1998

Commissioned: June 29, 1996